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<211> 78

<212> PRT

<213> Phyllomedusa bicolor

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Val Ser Leu Ser Ile Cys Glu Glu Glu Lys Arg Glu Asn Glu Asp Glu 20 25 30

Glu Lys Gln Asp Asp Glu Gln Ser Glu Met Lys Arg Ala Met Trp Lys 35 40 45

Asp Val Leu Lys Lys Ile Gly Thr Val Ala Leu His Ala Gly Lys Ala 50 55 60

Ala Leu Gly Ala Val Ala Asp Thr Ile Ser Gln Gly Glu Gln 65 70 75

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<213> Phyllomedusa bicolor

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Ala Leu Gly Ala Val Ala Asp Thr Ile Ser Gln
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<211> 31

<212> PRT

<213> Phyllomedusa bicolor

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1 5 10 15

Ala Gly Lys Ala Ala Leu Gly Ala Val Ala Asp Thr Ile Ser Gln
20 25 30

<210> 5

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Ser Lys Lys Ala Ala Gly Lys Ala Ala Leu Gly Ala Val Ser Glu Ala
Leu Gly Glu Gln
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<213> Pachymedusa dacnicolor
Ala Leu Trp Lys Thr Leu Leu Lys Lys Val Gly Lys Val Ala Gly Lys
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Ala Val Leu Asn Ala Val Thr Asn Met Ala Asn Gln Asn Glu Gln
             20
                                  25
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<212> PRT
<213> Agalychnis annae
<400> 7
Gly Met Trp Ser Thr Ile Arg Asn Val Gly Lys Ser Ala Ala Lys Ala
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                                      10
                                                          15
Ala Asn Leu Pro Ala Lys Ala Ala Leu Gly Ala Ile Ser Glu Ala Val
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Gly Glu Gln
         35
<210> 8
<211> 29
<212> PRT
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Gly Met Phe Thr Asn Met Leu Lys Gly Ile Gly Lys Leu Ala Gly Gln
Ala Ala Leu Gly Ala Val Lys Thr Leu Ala Gly Glu Gln
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<210> 9
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<213> Agalychnis annae
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<210> 10
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<212> PRT
<213> Phyllomedusa sauvagei
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Ala Gly Lys Ala Ala Leu Gly Ala Ala Asp Thr Ile Ser Gln Gly
Thr Gln
<210> 11
<211> 34
<212> PRT
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<400> 11
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Ala Gly Lys Ala Ala Leu Gly Ala Ala Ala Asn Thr Ile Ser Gln Gly
Thr Gln
<210> 12
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<212> PRT
<213> Phyllomedusa sauvagei
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Ala Ala Leu Gly Ala Val Lys Lys Leu Val Gly Ala Glu Ser
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25

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<210> 13
<211> 27
<212> PRT
<213> Phyllomedusa sauvagei
<400> 13
Ala Leu Trp Met Thr Leu Leu Lys Lys Val Leu Lys Ala Ala Ala Lys
Ala Leu Asn Ala Val Leu Val Gly Ala Asn Ala
<210> 14
<211> 29
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<213> Phyllomedusa sauvagei
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Ala Ala Lys Ala Ala Val Lys Ala Val Thr Asn Ala Val
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<220>
<221> CDS
<222> (53)..(238)
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                                                           Met Phe
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acc ttg aag aaa tcc ctc tta ctc ctt ttc ttc ctt ggg acc atc aac
Thr Leu Lys Lys Ser Leu Leu Leu Phe Phe Leu Gly Thr Ile Asn
                             10
tta tct ctc tgt gag gaa gag aga gat gcc gat gaa gaa aga aga gat
                                                                   154
Leu Ser Leu Cys Glu Glu Glu Arg Asp Ala Asp Glu Glu Arg Arg Asp
gat ctc gaa gaa agg gat gtt gaa gtg gaa aag cga ttt ttt cca gtg
                                                                   202
Asp Leu Glu Glu Arg Asp Val Glu Val Glu Lys Arg Phe Phe Pro Val
35
                     40
                                         45
att gga agg ata ctc aat ggt att ttg gga aaa taa ccaaaaaaaq
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Ile Gly Arg Ile Leu Asn Gly Ile Leu Gly Lys
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<213> Rana temporaria
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Ile Asn Leu Ser Leu Cys Glu Glu Glu Arg Asp Ala Asp Glu Glu Arg
                                 25
Arg Asp Leu Glu Glu Arg Asp Val Glu Val Glu Lys Arg Phe Phe
Pro Val Ile Gly Arg Ile Leu Asn Gly Ile Leu Gly Lys
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<210> 17
<211> 13
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Phe Phe Pro Val Ile Gly Arg Ile Leu Asn Gly Ile Leu
<210> 18
<211> 13
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<213> Rana temporaria
<400> 18
Phe Leu Pro Leu Ile Gly Arg Val Leu Ser Gly Ile Leu
<210> 19
<211> 13
<212> PRT
<213> Rana temporaria
Leu Leu Pro Ile Val Gly Asn Leu Leu Lys Ser Leu Leu
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ttaaaacttt ggaaatggaa ttggaaatca tctaatgtgg aatgtcattt agctaaatgc 308

329

<210> 20 <211> 13 <212> PRT

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<400> 20
Leu Leu Pro Ile Leu Gly Asn Leu Leu Asn Gly Leu Leu
<210> 21
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<212> PRT
<213> Rana temporaria
<400> 21
Leu Leu Pro Ile Val Gly Asn Leu Leu Asn Ser Leu Leu
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                5
<210> 22
<211> 13
<212> PRT
<213> Rana temporaria
<400> 22
Val Leu Pro Ile Ile Gly Asn Leu Leu Asn Ser Leu Leu
       5
<210> 23
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<212> PRT
<213> Rana temporaria
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Phe Leu Pro Leu Ile Gly Lys Val Leu Ser Gly Ile Leu
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<212> PRT
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Leu Ser Pro Asn Leu Leu Lys Ser Leu Leu Gly Lys
<210> 25
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<400> 25
Leu Leu Pro Asn Leu Leu Lys Ser Leu Leu
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<210> 26
<211> 13
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<213> Rana temporaria
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Phe Val Gln Trp Phe Ser Lys Phe Leu Gly Arg Ile Leu
<210> 27
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<220>
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<222> (1)..(99)
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atg gcc atg tgg aaa gac gtt ctg aaa aag atc ggt act gtc gcc ctc
Met Ala Met Trp Lys Asp Val Leu Lys Lys Ile Gly Thr Val Ala Leu
  1
                  5
cat gca ggg aag gcc gcg ctt gga gca gta gcc gac acc atc tcg cag
                                                                    96
His Ala Gly Lys Ala Ala Leu Gly Ala Val Ala Asp Thr Ile Ser Gln
             20
taa
                                                                    99
<210> 28
<211> 32
<212> PRT
<213> Phyllomedusa bicolor
<400> 28
Met Ala Met Trp Lys Asp Val Leu Lys Lys Ile Gly Thr Val Ala Leu
His Ala Gly Lys Ala Ala Leu Gly Ala Val Ala Asp Thr Ile Ser Gln
             20
                                  25
                                                      30
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<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: PCR primer
atggccatgt ggaaagacgt tetgaaaaag ateggtactg tegeceteea tgeaggg
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<210> 30
<211> 63
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<213> Artificial Sequence
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ttactgcgag atggtgtcgg ctactgctcc aagcgcggcc ttccctgcat ggagggcgac 60
agt
                                                                    63
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<223> Description of Artificial Sequence: PCR primer
<400> 31
tctagaggta ccatggccat gtggaaagac g
                                                                    31
<210> 32
<211> 38
<212> DNA
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<223> Description of Artificial Sequence: PCR primer
caagettetg cagagetett actgegagat ggtgtegg
                                                                    38
<210> 33
<211> 60
<212> DNA
<213> Rana temporaria
<220>
<221> CDS
<222> (1)..(57)
<400> 33
atg gcc tct aga cat atg ttt ctg ccc cta atc ggg agg gtt ctc tcg
                                                                    48
Met Ala Ser Arg His Met Phe Leu Pro Leu Ile Gly Arg Val Leu Ser
  1
                  5
gga atc ctg taa
                                                                    60
Gly Ile Leu
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<210> 34

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<211> 19
<212> PRT
<213> Rana temporaria
<400> 34
Met Ala Ser Arg His Met Phe Leu Pro Leu Ile Gly Arg Val Leu Ser
                                      10
Gly Ile Leu
<210> 35
<211> 45
<212> DNA
<213> Artificial Sequence
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atgtttctgc ccctaatcgg gagggttctc tcgggaatcc tgtaa
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<210> 36
<211> 45
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:PCR primer
<400> 36
ttacaggatt cccgagagaa ccctcccgat taggggcaga aacat
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<210> 37
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:PCR primer
<400> 37
ggtacctcta gacatatgtt tctgccccta
                                                                    30
<210> 38
<211> 29
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 38
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ctgcagagct cttacaggat tcccgagag
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29
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<210> 39
<211> 4
<212> PRT
<213> Phyllomedusa bicolor
<400> 39
Ala Met Trp Lys
  1
<210> 40
<211> 4
<212> PRT
<213> Artificial Sequence
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<400> 40
Ala Ser Arg His
  1
<210> 41
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence:spacer sequence
<400> 41
Ala Leu Trp Lys
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